



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

ARR/OK/TX BRANCH

RECEIVED

2004 DEC 10 AM 9:41

MEMORANDUM

Date: December 07, 2004

Subject: Contract Laboratory Program Data Review

From: *Marvelyn Humphrey*, Marvelyn Humphrey, ESAT Regional PO, 6MD-HE

To: V. Malott, 6SF-AP

Site : JONES ROAD GROUND WATER PLUME

Case#: 33482

SDG# : F15L7

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

Please note that vinyl chloride and toluene are qualified as unusable for sample F15L7.

If you have any questions regarding the data review report, please call me at (281) 983-2140.

Attachments

cc: R. Flores, Region 6 CLP/TPO
M. El-Feky, Region 6 Data Coordinator
Files (2)



LOCKHEED MARTIN SERVICES GROUP
ESAT REGION 6
10625 FALLSTONE ROAD
HOUSTON, TX 77099

MEMORANDUM

DATE: December 3, 2004
TO: Marvelyn Humphrey, ESAT PO, Region 6
FROM: Tom C.H. Chiang, ESAT Program Manager, Region 6 *J.C.H.C.*
SUBJECT: CLP Data Review
REF: TDF # 6-04-334A ESAT # O-0598
 ESAT Contract No. 68-W-01-030

Attached is the data review summary for Case # 33482
 SDG # F15L7
 Site Jones Road Ground Water Plume

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS and hardcopy review determined that the data package was contractually compliant.

II. TECHNICAL/USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of results reviewed is 850 for this data package. Some results were qualified because of the significant technical problems listed below.

A. Sample F15L7 had low recoveries for two DMC's. The extremely low VDMC1 recovery caused the vinyl chloride result to be qualified as unusable.

B. MS/MSD recoveries were below the QC limits for 1,1-dichloroethene and toluene. The extremely low MS/MSD recoveries for toluene caused the toluene result to be qualified as unusable for native sample F15L7.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099
ORGANIC REGIONAL DATA ASSESSMENT**

CASE NO. 33482
 LABORATORY DATAC
 CONTRACT# 68-W-01-045
 SDG# F15L7
 SOW# OLC03.2
 ACCT# 5302DD2CJN07
 SF# 302DD2CNK

SITE Jones Road Ground Water Plume
 NO. OF SAMPLES 17
 MATRIX Water
 REVIEWER (IF NOT ESB) ESAT
 REVIEWER'S NAME Tseng-Ying Fan
 COMPLETION DATE December 3, 2004

SAMPLE NO.	<u>F15L7</u>	<u>F15S7</u>	<u>F15Z6</u>	<u>F16A9</u>	<u>F1629</u>
	<u>F15S1</u>	<u>F15S9</u>	<u>F15Z7</u>	<u>F1600</u>	<u></u>
	<u>F15S2</u>	<u>F15Z4</u>	<u>F16A7</u>	<u>F1627</u>	<u></u>
	<u>F15S4</u>	<u>F15Z5</u>	<u>F16A8</u>	<u>F1628</u>	<u></u>

DATA ASSESSMENT SUMMARY

VOA

1. HOLDING TIMES	<u>O</u>
2. GC/MS TUNE/INSTR. PERFORM.	<u>O</u>
3. CALIBRATIONS	<u>O</u>
4. BLANKS	<u>O</u>
5. DMC/SURROGATES	<u>M</u>
6. MATRIX SPIKE/DUPLICATE/LCS	<u>M</u>
7. OTHER QC	<u>O</u>
8. INTERNAL STANDARDS	<u>O</u>
9. COMPOUND ID/QUANTITATION	<u>O</u>
10. PERFORMANCE/COMPLETENESS	<u>O</u>
11. OVERALL ASSESSMENT	<u>M</u>

O = Data had no problems.

M = Data qualified because of major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: Sample F15L7 had low recoveries for two DMC's. MS/MSD recoveries were below the QC limits for 1,1-dichloroethene and toluene. The vinyl chloride and toluene results were qualified as unusable for sample F15L7 because of extremely low VDMC1 recovery and MS/MSD recovery, respectively.

NOTABLE PERFORMANCE:

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 33482 SDG F15L7 LAB DATA SITE Jones Road Ground Water Plume

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

<u>No.</u>	<u>Acceptable</u>	<u>Provisional</u>	<u>Unacceptable</u>
VOA	16	1	

COMMENTS: This SDG, contracted under low concentration SOW OLC03.2, consisted of 17 water samples for VOA analysis. The OTR/COC Records designated sample F15L7 as the laboratory QC sample. The RSCC verified that samples F15S1 and F15S4 were the respective field duplicates of samples F16L0 and F16L1 in SDG F16F6. Although not submitted with this SDG, field blank samples F16H8 and F16H9 and trip blank sample F16G3 are associated with the samples in this SDG. The data package was contractually compliant and arrived on time for the contractual seven-day turnaround time requirement.

As requested by the TDF, level 2 review was performed for this data package. The target compounds of concern with the desired detection limits in the parentheses are vinyl chloride (2 ug/L), cis/trans-1,2-dichloroethenes (7 ug/L), and tetrachloroethene (5 ug/L). All sample analyses met the user's desired detection limit requirement with one exception. The vinyl chloride QL for sample F15L7 was qualified as unusable because of very poor DMC performance. Only samples F16A7 and F1627 contained some compounds of concern at concentrations above the CRQL's. However, only the tetrachloroethene concentrations in these samples exceeded the user's desired detection limit.

The TCL compounds not designated as compounds of concern that were reported at concentrations above the CRQL's were trichloroethene in samples F16A7 and F1627 and methyl tert-butyl ether in sample F1627. Sample F15L7 had low recoveries for two DMC's. Toluene and 1,1-dichloroethene had low MS/MSD recoveries. The toluene QL for sample F15L7 was qualified as unusable because of extremely low MS/MSD recoveries.

One sample is provisional because some results were qualified for DMC and MS/MSD performance problems. The technical usability of all reported sample results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were documented in the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

CASE 33482 SDG F15L7 LAB DATA SITE Jones Road Ground Water Plume

Acceptable = No results were qualified for any problem associated with this QC parameter.
Provisional = Some results were qualified because of problems associated with this QC parameter.
Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples were analyzed within the contractual and technical holding time limits. The pH values indicated the samples were preserved with acid.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

2. Tuning/Performance: Acceptable. The BFB analyses met GC/MS tuning criteria.

3. Calibrations: Acceptable. All calibrations met contractual criteria. Methyl acetate failed the technical minimum RRF criteria for a high concentration point initial calibration standard. Since the raw data showed that the instrument had no difficulties detecting this compound at the CRQL, result qualification was unnecessary in the reviewer's opinion. Several other analytes failed the technical %D calibration criteria. Since these analytes were not detected in the associated samples, result qualification was unnecessary per Region 6 guidelines.

4. Blanks: Acceptable. The method and storage blanks met contractual criteria and were free of contaminants.

Trip Blank/Field Blank: All samples in this SDG are associated with trip blank sample F16G3 (SDG F16F6) and field blank samples F16H8 (SDG F16F6) and F16H9 (SDG F15S5). The trip blank was contamination-free. Field blank samples F16H8 and F16H9 contained chloromethane and acetone, respectively, at concentrations below the CRQL's. Results below the CRQL's for acetone in sample F15L7 and chloromethane in sample F15S4 should be considered as undetected and were flagged "U" at the CRQL's on the DST because of possible field contamination.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates: Provisional. The DMC recoveries were within QC limits except for samples F15L7 and F15L7 MS/MSD. Sample F15L7 had low recoveries for two DMC's. The spiked duplicate samples F15L7 MS/MSD had low recoveries for four DMC's, demonstrating matrix effect. The reviewer qualified the QL's as estimated and biased low for 1,1,2,2-tetrachloroethane and 1,2-dibromo-3-chloropropane in sample F15L7 because the associated VDMC13 had a recovery below the QC limit. The reviewer qualified the vinyl chloride QL as

**ORGANIC QA REVIEW
CONTINUATION PAGE**

CASE 33482 SDG F15L7 LAB DATA SITE Jones Road Ground Water Plume

unusable for sample F15L7 because of an extremely low VDMC1 recovery (<20%).

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Control Sample (LCS): Provisional. The MS/MSD results met QC guidelines for precision and %recovery with the following exceptions. The MS/MSD recoveries were below the QC limit for 1,1-dichloroethene, so the reviewer qualified the 1,1-dichloroethene QL as estimated and biased low for native sample F15L7. The MS/MSD recoveries were extremely low (<10%) for toluene, so the reviewer qualified the toluene QL as unusable for native sample F15L7. The RPD's for 1,1-dichloroethene and toluene also exceeded the QC limits, indicating poor analysis precision. Since neither compound was detected in the native sample, the poor precision did not impact the sample results.

7. Other QC:

Field Duplicates: Acceptable. The field duplicate results were consistent.

8. Internal Standards (IS): Acceptable. Internal standard performance met the QC criteria for all analyses.

9. Compound Identity/Quantitation: Acceptable. The compounds detected at concentrations above the CRQL's were cis-1,2-dichloroethene, trichloroethene, tetrachloroethene, and/or methyl tert-butyl ether in samples F16A7 and F1627. The reported analytes, including those with concentrations below the CRQL's, met compound identification criteria.

10. Performance/Completeness: Acceptable. The data package was complete but contained some CSF and reporting discrepancies. The laboratory was contacted for resolution (see Resubmission Request). The laboratory response is not expected to impact the DST.

11. Overall Assessment: Sixteen samples are acceptable. Sample F15L7 is provisional because some results were qualified for DMC recovery and MS/MSD performance problems.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
LABQUAL: Laboratory Qualifier
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
CRQLLBL: Contract Required Quantitation Limit Label
SMPDATE: Sampling Date
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, and VALDQAL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

33482 F15L7 F1629	PE61C663 W	11/14/2004 9:10	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	U	11/10/2004 U	TC1115-3
33482 F15L7 F1629	PE61C663 W	11/14/2004 9:10	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	U	11/10/2004 U	TC1115-3
33482 F15L7 F1629	PE61C663 W	11/14/2004 9:10	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	U	11/10/2004 U	TC1115-3
33482 F15L7 F1629	PE61C663 W	11/14/2004 9:10	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	U	11/10/2004 U	TC1115-3

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. <u>33482</u>	SDG No. <u>F15L7</u>	SDG Nos. To Follow	SAS No.	Date Rec <u>11/18/2004</u>
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EPA Lab ID: <u>DATA</u> Lab Location: <u>Salt Lake City, UT</u> Region: <u>6</u> Audit No.: <u>33482/F15L7</u> Re_Submitted CSF? Yes No <u>X</u> Box No(s): <u>1</u> COMMENTS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>The laboratory failed to answer Remarks item #5 on the Form DC-1. The auditor corrected this omission.</td> </tr> <tr> <td>17</td> <td>Instead of the original sample tags, the laboratory submitted photocopies of the sample tags with the CSF. The auditor located the original tags in the CSF for SDG F16F6.</td> </tr> <tr> <td>20a*</td> <td>The laboratory glued the airbill sticker to the CRIR. However, instead of the original version, a photocopy of this CRIR was submitted.</td> </tr> </tbody> </table> <p>* The laboratory was contacted for resolution.</p>	Item	Description	7	The laboratory failed to answer Remarks item #5 on the Form DC-1. The auditor corrected this omission.	17	Instead of the original sample tags, the laboratory submitted photocopies of the sample tags with the CSF. The auditor located the original tags in the CSF for SDG F16F6.	20a*	The laboratory glued the airbill sticker to the CRIR. However, instead of the original version, a photocopy of this CRIR was submitted.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">ORIGINALS</th> <th>YES</th> <th>NO</th> <th>N/A</th> </tr> </thead> <tbody> <tr> <td colspan="5">CUSTODY SEALS</td> </tr> <tr> <td>1.</td> <td>Present on package?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td>Intact upon receipt?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">FORM DC-2</td> </tr> <tr> <td>3.</td> <td>Numbering scheme accurate?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>4.</td> <td>Are enclosed documents listed?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>5.</td> <td>Are listed documents enclosed?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">FORM DC-1</td> </tr> <tr> <td>6.</td> <td>Present?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td>Complete?</td> <td></td> <td><u>X</u></td> <td></td> </tr> <tr> <td>8.</td> <td>Accurate?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">CHAIN-OF-CUSTODY RECORD(s)</td> </tr> <tr> <td>9.</td> <td>Signed?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>10.</td> <td>Dated?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">TRAFFIC REPORT(s) PACKING LIST(s)</td> </tr> <tr> <td>11.</td> <td>Signed?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>12.</td> <td>Dated?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">AIRBILLS/AIRBILL STICKER</td> </tr> <tr> <td>13.</td> <td>Present?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>14.</td> <td>Signed?</td> <td></td> <td></td> <td><u>X</u></td> </tr> <tr> <td>15.</td> <td>Dated?</td> <td></td> <td></td> <td><u>X</u></td> </tr> <tr> <td colspan="5">SAMPLE TAGS</td> </tr> <tr> <td>16.</td> <td>Does DC-1 list tags as being included?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>17.</td> <td>Present?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td colspan="5">OTHER DOCUMENTS</td> </tr> <tr> <td>18.</td> <td>Complete?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>19.</td> <td>Legible?</td> <td><u>X</u></td> <td></td> <td></td> </tr> <tr> <td>20.</td> <td>Original?</td> <td></td> <td><u>X</u></td> <td></td> </tr> <tr> <td>20a.</td> <td>If "NO", does the copy indicate where original documents are located?</td> <td></td> <td><u>X</u></td> <td></td> </tr> </tbody> </table>	ORIGINALS		YES	NO	N/A	CUSTODY SEALS					1.	Present on package?	<u>X</u>			2.	Intact upon receipt?	<u>X</u>			FORM DC-2					3.	Numbering scheme accurate?	<u>X</u>			4.	Are enclosed documents listed?	<u>X</u>			5.	Are listed documents enclosed?	<u>X</u>			FORM DC-1					6.	Present?	<u>X</u>			7.	Complete?		<u>X</u>		8.	Accurate?	<u>X</u>			CHAIN-OF-CUSTODY RECORD(s)					9.	Signed?	<u>X</u>			10.	Dated?	<u>X</u>			TRAFFIC REPORT(s) PACKING LIST(s)					11.	Signed?	<u>X</u>			12.	Dated?	<u>X</u>			AIRBILLS/AIRBILL STICKER					13.	Present?	<u>X</u>			14.	Signed?			<u>X</u>	15.	Dated?			<u>X</u>	SAMPLE TAGS					16.	Does DC-1 list tags as being included?	<u>X</u>			17.	Present?	<u>X</u>			OTHER DOCUMENTS					18.	Complete?	<u>X</u>			19.	Legible?	<u>X</u>			20.	Original?		<u>X</u>		20a.	If "NO", does the copy indicate where original documents are located?		<u>X</u>	
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Over for additional comments

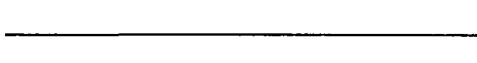
Audited by:



Tseng-Ying Fan/ ESAT Data Reviewer

Date 12/01/2004

Audited by:



Date _____

Audited by:



Date _____

Signature

Printed Name/Title

DC-2____

In Reference To Case No(s) :
33482 SDG: F15L7 (O-0598)

**Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM**

Resubmission Request

Laboratory Name: DATAC
Lab Contact: Richard Wade

Region: 6
Regional Contact: Mahmoud El-Feky - EPA
ESAT Reviewer: Tseng-Ying Fan

In reference to data for the following fractions:

CSF Deliverables VOA

Summary of Questions/Issues:

A. CSF Deliverables

The contract requires that the original airbill/sticker be submitted with the CSF (OLC03.2, p. B-25, sec. 2.6.2.3). However, submitted with the CSF was a photocopy of the CRIR/airbill sticker (p. 289). Please submit the original or indicate its location at this time.

B. VOA

Although two xylene isomer peaks were present in the calibration standards, the quantitation reports only reported the retention time for one isomer peak under the name of total xylene. Please clarify whether or not the other xylene isomer peak was searched for during data analysis for all associated samples.

NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 (OLC03.2, B-36, 2.6.3). Custody seals are required for all such shipments.

Please respond to the above items **within 7 days** by e-mail to El-Feky.Mahmoud@epamail.epa.gov and by regular mail to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. El-Feky at (281) 983-2128.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33482

DAS No:

R

Region:	6	Date Shipped:	11/10/2004	Chain of Custody Record	Sampler Signature:
Project Code:		CARRIER Name:	UPS	Reinquished By:	(Date / Time)
Account Code:		AIRBILL:	1Z66V7252210006117	Received By	(Date / Time)
CERCLIS ID:		Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700	1	W.H. Borchert 11/10/04
Spill ID:				2	
Site Name/State:	JONES RD GW PLUME FEDERAL SUPERFUND			3	
Project Leader:	BILL HARDMANT			4	
Action:					
Sampling Co:	Shaw Environmental, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F15L7	Ground Water	/G	VOA-3.2 (7)	405890 (HCL), 405891 (HCL), 405892 (HCL), 405893 (HCL), 405894 (HCL), 405895 (HCL), 405896 (HCL), 405897 (HCL), 405898 (HCL) (9)	BL10825	S: 11/10/2004 8:21		--
F15S1	Ground Water	/G	VOA-3.2 (7)	405770 (HCL), 405771 (HCL), 405772 (HCL) (3)	GL11514	S: 11/10/2004 8:35		--
F15S2	Ground Water	/G	VOA-3.2 (7)	405776 (HCL), 405777 (HCL), 405778 (HCL) (3)	GL11606	S: 11/10/2004 9:50		--
F15S3	Ground Water	/G	VOA-3.2 (7)	405779 (HCL), 405780 (HCL), 405781 (HCL), 405782 (HCL), 405783 (HCL), 405784 (HCL), 405785 (HCL), 405786 (HCL), 405787 (HCL) (9)	GL11614	S: 11/10/2004 10:40		--
F15S4	Ground Water	/G	VOA-3.2 (7)	405788 (HCL), 405789 (HCL), 405790 (HCL) (3)	GL11622	S: 11/10/2004 11:45		--
F15S7	Ground Water	/G	VOA-3.2 (7)	405804 (HCL), 405805 (HCL), 405806 (HCL) (3)	JR11010	S: 11/10/2004 10:06		--
F15S9	Ground Water	/G	VOA-3.2 (7)	405807 (HCL), 405808 (HCL), 405809 (HCL) (3)	JR11414	S: 11/10/2004 11:11		--
F15Z4	Ground Water	/G	VOA-3.2 (7)	405964 (HCL), 405965 (HCL), 405966 (HCL) (3)	PH11602	S: 11/10/2004 8:23		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F15L7, F15S3	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA-3.2 = CLP TCL VOCs by OLC03.2	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-073826063-111004-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222

F2V5.1.045 Page 1 of 3



Organic Traffic Report & Chain of Custody Record

Case No: 33482
DAS No:

R

Region: 6	Date Shipped: 11/10/2004	Chain of Custody Record		Sampler Signature: <i>W.H.S.</i>
Project Code:	Carrier Name: UPS	Relinquished By	(Date / Time)	Received By
Account Code:	Airbill: 1Z66V7252210006117			
CERCLIS ID:	Shipped to: Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700			
Spill ID:		1	<i>W.H.S.</i> 11/10/04 1700	
Site Name/State: JONES RD GW PLUME FEDERAL SUPERFUND		2		
Project Leader: BILL HARDMANT		3		
Action:		4		
Sampling Co: Shaw Environmental, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F15Z5	Ground Water	/G	VOA-3.2 (7)	405967 (HCL), 405968 (HCL), 405969 (HCL) (3)	PH11603	S: 11/10/2004 10:01		--
F15Z6	Ground Water	/G	VOA-3.2 (7)	405970 (HCL), 405971 (HCL), 405972 (HCL) (3)	PH11610	S: 11/10/2004 9:13		--
F15Z7	Ground Water	/G	VOA-3.2 (7)	405973 (HCL), 405974 (HCL), 405975 (HCL) (3)	PH11611	S: 11/10/2004 11:05		--
F1600	Ground Water	/G	VOA-3.2 (7)	405982 (HCL), 405983 (HCL), 405984 (HCL) (3)	PH11626	S: 11/10/2004 13:08		--
F1627	Ground Water	/G	VOA-3.2 (7)	405519 (HCL), 405520 (HCL), 405521 (HCL) (3)	TC11115-1	S: 11/10/2004 12:27		--
F1628	Ground Water	/G	VOA-3.2 (7)	405522 (HCL), 405523 (HCL), 405524 (HCL) (3)	TC11115-2	S: 11/10/2004 12:30		--
F1629	Ground Water	/G	VOA-3.2 (7)	405525 (HCL), 405526 (HCL), 405527 (HCL) (3)	TC11115-3	S: 11/10/2004 12:33		--
F16A7	Ground Water	/G	VOA-3.2 (7)	405501 (HCL), 405502 (HCL), 405503 (HCL) (3)	TT11011-1	S: 11/10/2004 8:27		--
F16A8	Ground Water	/G	VOA-3.2 (7)	405504 (HCL), 405505 (HCL), 405506 (HCL) (3)	TT11011-2	S: 11/10/2004 8:30		--
F16A9	Ground Water	/G	VOA-3.2 (7)	405507 (HCL), 405508 (HCL), 405509 (HCL) (3)	TT11011-3	S: 11/10/2004 8:33		--
F16B0	Ground Water	/G	VOA-3.2 (7)	405510 (HCL), 405511 (HCL), 405512 (HCL) (3)	TT11014-1	S: 11/10/2004 9:47		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F15L7, F15S3	Additional Sampler Signature(s): <i>W.H.S.</i>	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High VOA-3.2 = CLP TCL VOCs by OLC03.2	Type/Designate: Composite = C, Grab = G	Shipment Iced?

TR Number: 6-073826063-111004-0003

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